

SPECIAL AIRWORTHINESS INFORMATION BULLETIN

Aircraft Certification Service
Washington, DC



U.S. Department
of Transportation

**Federal Aviation
Administration**

NM-06-71
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<http://www.faa.gov/aircraft/safety/alerts/SAIB>

This is information only. Recommendations aren't mandatory.

Introduction

This Special Airworthiness Information Bulletin (SAIB) advises you, owners and operators of certain **Fokker Model F.28 Mk 0100 aircraft** of service information to increase the strength of the passenger service unit, speaker, oxygen and blind panel attachments.

Background

The Civil Aviation Authority – Netherlands, airworthiness authority for the Netherlands, issued AD NL-2005-005, dated April 29, 2005 (attached). The Netherlands advises that a Fokker Model F.28 Mk 0100 airplane experienced an off airport emergency landing. As a result of this event, the suspended rails of the passenger service unit, speaker, oxygen and blind panel assemblies, came loose from their brackets on the cabin air ducts. Although the rail suspension of the original baseline interior can withstand the inertia force static strengths as required by FAR 25.561(b)(3), inertia forces which exceed those of the certification requirements of a dynamic deformation mechanism could result in further incidents of panel detachments.

Recommendation

We recommend that if you own or operate the Fokker F.28 Mk 0100 aircraft, serial numbers 11244 through 11486, 11488 through 11491, 11496, 11498 through 11502, 11504 through 11507 and 11511 through 11527, except those modified per Fokker Service Bulletin F100-25-070 (Jetline Interior configuration), to install two additional cable ties to each attachment bracket of the passenger service unit, speaker, oxygen, and blind panel assemblies in accordance with Fokker Services service bulletin F100-25-103 dated March 15, 2005.

For Further Information Contact

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For Service Bulletin Information Contact

Fokker Services B.V., Technical Services
Dept., P.O. Box 231, 2150 AE Nieuw-Vennep,
The Netherlands

Civil Aviation Authority Netherlands Airworthiness Directive

Nr. NL-2005-005

Distribution : **L**

Issue Date : April 29, 2005

Type Certificate Holder :

FOKKER SERVICES B.V.
(formerly Fokker Aircraft B.V.)

F.28 Mk.0100

CAA-NL Type Certificate Nr.

T-100-87

Caution

This Airworthiness Directive is issued by the Minister of Transport, Public Works and Water Management in accordance with the Aviation Act 2001 (Wet Luchtvaart), Article 3.22. Airworthiness Directives affect aviation safety. These are regulations which require immediate attention. No person may operate an aircraft to which an Airworthiness Directive applies, except in accordance with the requirements thereof, unless otherwise agreed with the Authority of the State of Registry (EC2042/2003, M.A.201 & M.A.303).

THIS AIRWORTHINESS DIRECTIVE IS PUBLISHED BY THE CAA-NL :

- acting for and on behalf of the European Aviation Safety Agency (EASA), as Airworthiness Authority (ICAO Annex 8) of the State of Design for the affected product(s) with reference to 21A.33(a) and (b), and
- has been approved under EASA reference Number 2005-387, dated April 29, 2005

Supersedure : Not Applicable

Subject : EQUIPMENT/FURNISHING - PASSENGER SERVICE UNIT, SPEAKER, OXYGEN & BLIND PANELS ATTACHMENTS - MODIFICATION

Applicability : Fokker Aircraft B.V. F.28 Mk.0100 aircraft, serial numbers 11244 through 11486, 11488 through 11491, 11496, 11498 through 11502, 11504 through 11507 and 11511 through 11527, except those modified per Fokker SB F100-25-070 (Jetline Interior configuration).

Reason :

Due to fuel starvation, a Fokker 100 (F.28 Mk.0100) experienced a double engine flame-out and the flight crew had to execute an off-airport emergency landing. During touchdown on a grass field, the high inertia forces caused the rails, from which the Passenger Service Unit (PSU), speaker, oxygen and blind panel assemblies are suspended, to come loose from their brackets on the cabin air ducts and to fall down on the backrest of the passenger seats throughout almost the entire cabin. Fortunately, no passengers were injured and there is no indication that the subsequent evacuation was seriously hampered by the loose rail/panel assemblies. Although the rail suspension of the original baseline interior can withstand the inertia force static strengths as required by CS (JAR) 25.561(b)(3), inertia forces which exceed those of the certification requirements or a dynamic deformation mechanism could result in further incidents of panel detachments. Combined with an emergency evacuation under fire/smoke conditions, this could evolve into a catastrophic event. Since a potentially unsafe condition has been identified that may exist or develop on aircraft of this type design, this Airworthiness Directive requires the installation of two additional cable ties to each attachment bracket of Passenger Service Unit-, speaker-, oxygen- and blind panel assemblies.

Effective date : May 15, 2005

Mandatory Actions and Compliance Times : Required as indicated, unless accomplished previously.

Within the next two (2) years after the effective date of this directive, install two additional cable ties to each attachment bracket of Passenger Service Unit-, speaker-, oxygen- and blind panel assemblies in accordance with Part 2 Accomplishment Instructions of Fokker Services SBF100-25-103 dated March 15, 2005 or a later CAA-NL approved revision.

Reference Publication(s) :

Fokker Services SBF100-25-070 R1

Fokker Services SBF100-25-103

AD Nr. NL-2005-005

Remarks :

- Operators of the affected aircraft may obtain copies of the referenced service information upon request directly from Fokker Services B.V., Technical Services Dept., P.O.Box 231, 2150 AE Nieuw-Vennep, The Netherlands; telephone (31) 252-627-350; facsimile (31) 252-627-211; e-mail technicalservices.fokkerservices@stork.com or can be downloaded from www.myfokkerfleet.com.
- Compliance with this directive must be recorded in the proper Aircraft Log Book(s).

Address inquiries concerning this AD to : Civil Aviation Authority, Aircraft Division, Section C&D, P.O. Box 575, 2130 AN Hoofddorp, The Netherlands; telephone +31-23-566-3155; facsimile +31-23-566-3006; e-mail Info.Register@ivw.nl.